

## ABSTRACT OF THE DISCLOSURE

An image sensor includes a lower metal sheet set, an upper metal sheet set, an encapsulant, a photosensitive chip, plural wires, and a transparent layer. The lower metal sheet set includes plural lower metal sheets and a lower middle board arranged among and flush with the lower metal sheets. The upper metal sheet set includes plural upper metal sheets and an upper middle board arranged among and flush with the upper metal sheets. The encapsulant encapsulates the lower metal sheets, lower middle board, upper metal sheets and upper middle board with the upper metal sheets, lower metal sheets, lower middle board, and upper middle board exposed from the encapsulant, and with a frame layer formed around the upper metal sheets to define a chamber. The photosensitive chip is arranged on the upper surface of the upper middle board and located within the chamber.